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## **Listing of Claims**

- 1. (Previously presented) A synthesized oligourea comprising a basic-arginine rich region of Tat.
- 2. (Original) A method of inhibiting the binding of Tat protein to Tar RNA comprising introducing the oligourea of claim 1 into a cellular environment wherein the inhibition is sought to occur.
- 3. (Original) The method of claim 2 wherein the cellular environment is one infected by the HIV-1.
- 4. (Original) The method of claim 3 wherein the oligourea of claim 1 binds to the TAR RNA of HIV-1, thereby limiting the binding of Tat to TAR RNA.
- 5. (Previously presented) A synthesized oligourea comprising the sequence disclosed in Figure 1A.
- 6. (Cancelled) A synthesized oligourea comprising the structure disclosed in Figure 1B.
- 7. (Original) A method of inhibiting the binding of Tat protein to TAR RNA comprising introducing the oligourea of claim 5 into a cellular environment wherein the inhibition is sought to occur.
- 8. (Previously presented) The method of claim 7 wherein the cellular environment is one infected by the HIV-1.

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- 9. (Original) The method of claim 8 wherein the oligourea of claim 5 binds to the TAR RNA of HIV-1, thereby limiting the binding of the Tat to TAR RNA.
- 10. (Cancelled) A method of inhibiting the binding of Tat protein to TAR RNA comprising introducing the oligourea of claim 6 into a cellular environment wherein the inhibition is sought to occur.
- 11. (Cancelled) The method of claim 10 wherein the cellular environment is one infected by the HIV-1.
- 12. (Cancelled) The method of claim 11 wherein the oligourea of claim 1 binds to the TAR RNA of HIV-1, thereby limiting the binding of Tat to TAR RNA.
- 13. (Cancelled) A composition that has a high and specific binding affinity for a nucleic acid, comprising oligourea.
- 14. (Cancelled) The composition of claim 13, wherein the oligourea additionally has amino acid side-chains incorporated at the R<sub>1</sub> and R<sub>2</sub> positions of the chemical structure in Figure 1B.
- 15. (Cancelled) The composition of claim 14, wherein the amino acid side chains correspond in sequence to those of a nucleic acid-binding protein.
- 16. (Currently amended) The A composition of claim 15 comprising oligourea, wherein the oligourea additionally has amino acid side chains which correspond to the basic-arginine rich region of the Tat protein.
- 17. (Original) The composition of claim 16, wherein the amino acid side-chains correspond to residues 48 57 of the Tat protein.

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- 18. (Original) The composition of claim 17, wherein the amino acid side-chains correspond to SEQ ID NO: 1.
- 19. (Original) The composition of claim 18, wherein the amino acid side-chains correspond to the SEQ ID NO: 1 with a L-Tyr amino acid at the carboxyl-terminus.
- 20. (Cancelled) A method of inhibiting a protein-nucleic acid interaction, comprising introducing the composition of claim 13.
- 21. (Cancelled) The method of claim 20, wherein the composition of claim 13 is introduced into a human patient.
- 22. (Cancelled) The method of claim 21, wherein the composition of claim 16 is introduced to a human patient infected by the HIV-1 virus.
- 23. (Cancelled) The method of claim 20, wherein the composition of claim 13 is introduced into an isolated cell.
- 24. (Cancelled) A kit comprising the composition of claim 13 in a container.
- 25. (Cancelled) A kit, comprising the composition of claim 13 in a container and instructions to carry out the method of claim 20.
- 26. (Cancelled) A composition of claim 13, which binds to nucleic acids, which has a disassociation constant (K<sub>D</sub>) less or equal to 0.70 μM.

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- 27. (New) The oligourea of claim 1, wherein the oligourea corresponds to the structure of Figure 1B, wherein R<sub>1</sub> and R<sub>2</sub> each individually represent amino acid side chains which correspond to the basic-arginine rich region of the Tat protein.
- 28. (New) The composition of claim 16 wherein the oligourea corresponds to the chemical structure of Figure 1B, wherein R<sub>1</sub> and R<sub>2</sub> represent said amino acid side chains.